| Index | Ωf | $\sim$ 1 | air | nc |
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| ınaex | OT | UI.      | aır | ns |



Application/Control No.

10/718,715

Date

Examiner

**HELEN SHIBRU** 

Applicant(s)/Patent under Reexamination

OHMORI, YOSHIHIRO

Art Unit

2621

| √ | Rejected |
|---|----------|
| _ | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

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|-------------|----------------------------------|--|--------------|------------------|--|--------------|----------|--------------|--|--------------|
| Cla         | ıım                              | Date   |              |                  |  |              |          | _            | _  |              |
| Final       | Original                         | 11/26/07   |              |                  |  |              |          |              |  |              |
| 1           | 1                                | =  |              |                  |  |              |          |              |  |              |
|             | 1<br>2<br>3<br>4<br>5            | -  |              |                  |  | П            |          |              |  |              |
|             | 3                                |  |              |                  |  |              |          |              |  |              |
|             | 4                                | •  |              |                  |  |              |          |              |  | $\Box$       |
|             | 5                                | -  |              |                  |  |              |          |              |  |              |
|             | 6                                | -  |              |                  |  |              | $\neg$   |              |  |              |
|             |                                  | -  |              |                  |  |              |          |              |  |              |
|             | 7<br>8                           | -  |              |                  |  |              |          |              |  |              |
|             | 9                                | -  |              |                  |  |              |          |              |  |              |
|             | 10                               | -  |              |                  |  |              |          |              |  |              |
| 2           | 11                               | =  |              |                  |  |              |          |              |  |              |
|             | 12                               | Ŀ  | _            | $ldsymbol{oxed}$ |  | Ш            |          |              | L  | Ш            |
| 3           | 13                               | =  | _            | _                |  | Ш            |          |              |  | Ш            |
| 3<br>4<br>5 | 10<br>11<br>12<br>13<br>14<br>15 | =  | _            | L                | _  | Ш            |          |              | <u> </u>   |              |
| 5           | 15                               | =  | L            | _                | <u> </u>   |              |          |              | <u> </u>   |              |
| 6<br>7      | 16<br>17<br>18<br>19<br>20       | =  | <u> </u>     |                  | _  | _            |          | ļ            | <u> </u>   | L.           |
| 7           | 17                               | =  | <u>L</u>     | <u>_</u>         | L  |              |          |              | L_   |              |
| 8           | 18                               | =  | _            | <u> </u>         |  |              |          |              | <u> </u>   |              |
| 9           | 19                               | =  | _            | _                |  |              |          |              | <u> </u>   |              |
|             | 20                               | _  |              | <u> </u>         |  |              |          |              | _  | _            |
|             | 21<br>22<br>23                   | <u> </u>   |              |                  | _  |              |          |              | ļ  | _            |
|             | 22                               | <u> </u>   |              |                  |  |              | _        |              | _  | _            |
| <u> </u>    | 23                               | ├-   | _            | -                |  | -            |          | _            |  | -            |
| <u> </u>    | 24<br>25                         | -  |              | -                |  | -            |          | -            | <del> </del>                                     | -            |
| }—          | 26                               | ├  | -            | -                | $\vdash$   | ╫            | -        | $\vdash$     | i -  | <del> </del> |
|             | 27                               | ├  | ├            | -                | ⊢  | -            | ├─       | -            | $\vdash$   | $\vdash$     |
| -           | 27<br>28                         | <del>                                     </del> | -            | H                | -  | $\vdash$     |          | ⊢            | -  | ├─           |
|             | 29                               | $\vdash$   |              | ⊢                | ├  | ╀─           | -        | -            | -  | ┢            |
|             | 30                               | -  | <del> </del> | ┢                | <del>                                     </del> | $\vdash$     | -        |              | $\vdash$   | <del> </del> |
| -           | 30<br>31                         | -  | ╁            | ╁                | <del>                                     </del> | $\vdash$     | _        |              | $\vdash$   | ┢            |
|             | 32                               | -  | $\vdash$     | <del> </del>     | H  | <del> </del> | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$     |
|             | 32<br>33                         | T  |              | 1                |  | $\vdash$     |          | T            | <del>                                     </del> | $\vdash$     |
|             | 34                               | 1  |              |                  | Т  |              |          | Г            |  |              |
|             | 35                               |  |              | 1                |  | 1            |          | Г            |  | Г            |
|             | 36                               | T  |              |                  |  | Т            |          |              |  |              |
|             | 37                               |  |              | L                |  |              |          |              |  |              |
|             | 38                               |  |              |                  |  |              |          |              |  |              |
|             | 39                               |  |              |                  |  |              |          |              |  |              |
|             | 40                               |  | 匚            |                  | Ĺ  | 1            |          | Ľ            |  |              |
|             | 41                               | 1  | <u> </u>     | <u> </u>         | <u> </u>   | ـــ          | _        | ļ            | <u> </u>   | <u> </u>     |
| ļ           | 42                               | 1  | _            | <u> </u>         | <u> </u>   | 1            |          | <u> </u>     | -  | <u> </u>     |
| L           | 43                               | $\vdash$   | 丨            | <u> </u>         | 1_   | 1            | _        |              | <u> </u>   | -            |
| <u></u>     | 44                               | _  | ↓_           | ₽                | _  | ╀            | <u> </u> | $\vdash$     | ├  | ــ           |
|             | 45                               | 1-   |              |                  | 1_   | <del> </del> | -        | -            | -  | ₩            |
| <u></u>     | 46                               | <u> </u>   | -            | ╄                | -  | $\vdash$     | -        | <del> </del> | -  | -            |
|             | 47                               | +  | -            | -                | -  | +            | $\vdash$ | -            | $\vdash$   | ₩.           |
| -           | 48                               | ┼  | ┼            | +                | ╀  | ┼            | ├        | -            | +-   | +            |
| $\vdash$    | 49                               | +-   | ╁            | -                | 1—   | -            | ├-       | ╀            | $\vdash$   | -            |
| 1           | 50                               | 1  | 1            | 1                | 1  | 1            | i i      | 1            | 1 .  | 1            |

| V IC         | 21111  |          |              |          |          | Jaco     |          |  |  |          |
|--------------|--|----------|--------------|----------|----------|----------|----------|--|--|----------|
| Final        | Original   |          | •            |          |          |          |          |  |  |          |
|              | 51   |          |              |          |          |          |          |  |  |          |
|              | 52   |          | -            | _        | H        | -        |          | _  | $\vdash$   | $\dashv$ |
|              | 51<br>52<br>53   | $\vdash$ |              |          | -        | -        |          | _  |  |          |
|              | 55   | -        |              |          | _        |          |          |  |  | $\dashv$ |
|              | 54   | $\Box$   |              | _        | ┡        |          |          |  |  | _        |
|              | 54<br>55   |          |              |          | L.       |          |          |  |  |          |
|              | 56   |          |              |          |          |          |          |  |  |          |
|              | 56<br>57<br>58   |          |              |          |          |          |          |  |  |          |
|              | 58   |          |              |          |          |          |          |  |  |          |
|              | 59   |          |              |          |          |          |          |  |  | П        |
|              | 60   | Н        |              | Н        | -        | $\vdash$ | _        | _  |  | П        |
|              | 60<br>61<br>62   | Н        |              | -        | $\vdash$ | Н        |          | -  | $\vdash$   | Н        |
|              | 62   | Н        |              | ⊢        | ⊢        |          |          |  | ├  | Н        |
|              | 62   | $\vdash$ | _            | -        | $\vdash$ | $\vdash$ | -        | $\vdash$   | $\vdash$   | Н        |
|              | 03   | $\vdash$ |              | -        | $\vdash$ | $\vdash$ |          |  |  | Н        |
|              | 63<br>64<br>65   | Ш        |              | <u> </u> | <b>—</b> | <u> </u> | <u> </u> | -  |  | Ш        |
|              | 65   | _        |              | _        | <u> </u> | _        | <u> </u> | <u> </u>   | <u> </u>   | Щ        |
|              | 66<br>67<br>68   |          |              | <u> </u> | L        | <u> </u> | L        | <u> </u>   | <u> </u>   | Ш        |
|              | 67   |          |              |          | L_       | _        | <u> </u> | _  | <u> </u>   |          |
|              | 68   |          |              | _        |          | _        | _        |  | <u> </u>   | Ш        |
|              | 69   |          |              |          |          |          |          | Ĺ  |  | Ш        |
|              | 70   |          |              |          |          |          |          |  |  |          |
|              | 71   |          |              |          |          |          |          |  |  | $\Box$   |
|              | 72   |          |              | П        |          |          | Г        |  |  | П        |
|              | 73   |          |              |          |          |          | Г        | Γ  |  | П        |
|              | 74   | П        |              | T-       |          |          |          |  |  |          |
|              | 75   |          |              | T        | Π        |          |          |  |  |          |
|              | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 | Г        |              | Г        |          | Π        |          |  |  |          |
|              | 77   |          |              | П        |          |          | Г        |  | Г  |          |
|              | 78   |          |              | Γ        |          |          | П        | Π  |  |          |
|              | 79   |          |              |          |          | Π        |          | Г  |  |          |
|              | 80<br>81   |          |              | T        |          | $\vdash$ |          |  | Г  | Ш        |
|              | 81   | Т        | _            | T        | $\vdash$ | _        | Т        | $\vdash$   | $\vdash$   | $\Box$   |
| _            | 82   | t        | -            | $\vdash$ | H        | $\vdash$ | $\vdash$ | <del>                                     </del> | <del>                                     </del> | Н        |
|              | 83   | -        | $\vdash$     | $\vdash$ | ╁        | ╁        | ┢        | ┢  | 十  | $\vdash$ |
| ├──          | 83<br>84   | -        | ⊢            | ┢        | ╁        | ╁╾       | ┢        | $\vdash$   | ┢  | -        |
|              | 05   | ╁        | $\vdash$     | ┢        | ⊢        | ╁─╴      | ┝        | ╁  | ┝  | $\vdash$ |
|              | 85   | -        |              | ⊢        | -        | ⊢        | ⊢        | ├-   | ┢  | ┼╌┤      |
|              | 86<br>87   | ├-       | ⊢            | -        | ┢        | ⊢        | ₩        | ├  |  | Н        |
|              | 07   | ├        | <del> </del> | ┿        | ┢        | $\vdash$ | ⊢        | -  | ┝  | ᡰ᠆┤      |
|              | 88<br>89   | ╁        | -            | ╁        | ╁╌       | ├-       | ├        | ├─   | ╁  | ╂─┤      |
|              | 00   | ⊢        | $\vdash$     | ├        | ╀        | ╁        | -        | ┢  | -  | Н        |
| <b></b>      | 90<br>91   | ├        | -            | ┥        | ╁        | -        | ┝        | ⊢  | ┝  | -        |
|              |  | $\vdash$ | ⊢            | ┰        | ╁        | ┼—       | ┢        |  | ╁  | H        |
|              | 92<br>93   | $\vdash$ | $\vdash$     | $\vdash$ | +-       | ╁        | $\vdash$ | $\vdash$   | +-   | $\vdash$ |
| <del> </del> | 93   | +        | $\vdash$     | ┼        | +-       | ╁        | -        | $\vdash$   | $\vdash$   | $\vdash$ |
|              | 05   | $\vdash$ | ├            | +        | +-       | ╁        | $\vdash$ | ┼  | ╁  | $\vdash$ |
|              | 95   | ╀        | ├            | +        | +        | -        | ┼        | <del> </del>                                     | ╄  | $\vdash$ |
| <u> </u>     | 96   | ┼-       | ├            | +-       | +-       | ╀        | ┼        | -  | ╁  | ╂╌┤      |
| ļ            | 97   | $\vdash$ | $\vdash$     | +-       | +-       | ┼        | -        | ╀  | $\vdash$   | $\vdash$ |
| <u> </u>     | 98   | $\vdash$ | -            | +-       | +-       | +-       | +        | +  | +  | -        |
| <u> </u>     | 99<br>100  | +-       | ╀            | +        | ┼        | -        | ┼        | +-   | ╁  | $\vdash$ |
| L            | 1100   | 1        | <u>L_</u>    | <u></u>  |          | _        | 1        | 1  | 1  |          |

| CI       | aim               |               |                 |              | [          | Date                                      | •            |                |  |  |
|----------|-------------------|---------------|-----------------|--------------|------------|---|--------------|----------------|--|--|
|          |                   |               |                 |              |            |   |              |                |  |  |
| ज        | Originat          | 1             |                 |              |            |   |              |                |  |  |
| Final    | ij                |               |                 |              |            |   |              |                |  |  |
| "        | ō                 | 1 1           |                 |              |            |   |              |                |  |  |
|          |                   |               |                 | _            | _          | _   |              | _              | <u> </u>   | _  |
|          | 101               |               |                 | _            |            |   |              |                |  |  |
|          | 101<br>102        |               |                 |              |            |   |              |                |  |  |
|          | 103               |               |                 |              |            |   |              |                |  |  |
|          | 104               |               |                 |              |            |   |              |                |  |  |
|          | 104<br>105        |               |                 |              |            |   |              |                |  |  |
|          | 106               |               | _               |              |            |   |              |                |  |  |
|          | 107               | П             |                 |              |            |   |              |                | _  |  |
|          | 108               |               | _               |              | _          |   | $\vdash$     |                | $\vdash$   |  |
| 1        | 109               | $\vdash$      | _               | $\vdash$     | -          | -   | $\vdash$     |                | Н  | -  |
|          | 110               | H             | _               | $\vdash$     | -          | $\vdash$                                  |              |                | <u> </u>   |  |
|          | 110               | $\vdash$      |                 | ┝            | -          | $\vdash$                                  | $\vdash$     | _              | -  |  |
| <b></b>  | 111               | $\vdash$      | _               | -            | -          | -   | -            |                | -  | -  |
| -        | 112               | <u> </u>      | _               | <u> </u>     | <u> </u>   | ├   | <u> </u>     |                | <u> </u>   | <u> </u>   |
| ļ        | 113               | _             |                 | _            | <u> </u>   | <u> </u>                                  | _            |                | <u> </u>   | <u> </u>   |
|          | 113<br>114<br>115 | $\Box$        |                 | L.           | Ŀ          | <u> </u>                                  | $\sqcup$     | <u> </u>       | ļ  | L  |
|          | 115               |               |                 | <u>L</u>     |            | $oxed{oxed}$                              | L            | <u> </u>       | _  |  |
| L        | 116               |               |                 |              |            |   |              |                |  |  |
|          | 116<br>117        |               |                 |              |            |   |              |                |  | L  |
|          | 118               | $\Box$        |                 |              |            |   | Г            | Γ              |  |  |
|          | 119               |               |                 |              |            |   |              | _              |  |  |
|          | 120               | $\Box$        | $\overline{}$   |              |            |   |              |                | П  |  |
|          | 121<br>122<br>123 | $\overline{}$ | $\vdash$        |              |            | -   |              |                | Г  |  |
|          | 122               | t             |                 | 一            |            | Т   |              | $\vdash$       |  |  |
|          | 123               | $\vdash$      |                 |              |            | ┢   |              | T              | 1  | <del>                                     </del> |
| _        | 124               | $\vdash$      | _               | 1            | $\vdash$   | H   | $\vdash$     | _              | $\vdash$   | $\vdash$   |
| -        | 124<br>125        | _             | $\vdash$        | 一            | 1          | $\vdash$                                  | -            | lТ             | $\vdash$   | -  |
| $\vdash$ | 126               | ┼             |                 | ┢            | ┢          | ╁   | ╁            | ┢              | 1  |  |
| -        | 127               | ╁             | $\vdash$        | ┢            | H          | H   | ├            | -              | <del>                                     </del> | <del>                                     </del> |
| -        | 127<br>128<br>129 | ├             | <del> </del>    | ╁            | ┢          | ╁╌  | ╁╌           | $\vdash$       | 一  | -  |
|          | 120               | ╁             | -               | +-           | ╁          | -   | $\vdash$     | $\vdash$       | ┼  |  |
|          | 130               | ╁             | ┢               | -            | ┢          | $\vdash$                                  | ╫            | $\vdash$       | ┢  | -  |
|          | 130<br>131        | ⊢             | $\vdash$        | $\vdash$     | -          | ┢   | ├─           | ┢              | ┝  | -  |
|          | 132               | ├             | $\vdash$        | ⊢            | ╁          | ┢╌  | -            | ┢              | $\vdash$   | -  |
|          | 132               | $\vdash$      | ┢               | <del> </del> | ⊢          | ╁   | ⊢            | -              | ╁  | -  |
| -        | 133<br>134        | $\vdash$      | -               | $\vdash$     | $\vdash$   | +-  | $\vdash$     | -              | +-   | $\vdash$   |
|          | 134               | +             | ⊢               |              | -          | $\vdash$                                  | <del> </del> |                | ₩  | ├  |
| <b>—</b> | 135<br>136        | -             |                 | ⊢            | ├          | +   | $\vdash$     | -              | 1—   | -  |
| -        | 130               | -             | ├               | ┼            | ├-         | ├   | ⊢            | ┢              | <u> </u>   | -  |
|          | 137               | ₩             | -               | -            | ├-         |   | -            | ├-             |  |  |
| -        | 138<br>139        |               | <b>—</b>        | -            | -          | -   | ₩-           |                | $\vdash$   | ⊢  |
| -        | 139               | ₩             | -               | ₩            | ₩          | ┞   | ├-           |                | ╄-   | 1  |
| <u></u>  | 140               | 1             |                 | ╀-           | <b>丨</b> — | ₩   | ┞-           |                | -  | 1  |
|          | 141               | $\vdash$      | _               | ↓_           | 1          |   | ـــ          | <del> </del>   |  | -  |
|          | 142               | <del> </del>  | <u> </u>        |              | ↓_         | -   |              | ↓_             | 1_   |  |
| <u> </u> | 143               | <u> </u>      | <u> </u>        | 1            | ↓_         | ╙   | <del> </del> | 乚              | $\vdash$   | ┺  |
| <u> </u> | 144               | <u> </u>      | $oxed{igspace}$ | 1_           | ↓_         | ــــــــــــــــــــــــــــــــــــــ    | <del> </del> | 1              | $oldsymbol{\perp}$                               | 1_   |
| L        | 145               | _             | <b>L</b>        | <u> </u>     | 1_         | $\perp$                                   | 1_           | $\perp$        | 1_   | ↓_   |
|          | 146               | L             |                 | $\perp$      |            |   |              | _              | 1  | 1  |
|          | 147               |               |                 |              |            |   |              |                |  |  |
|          | 148               |               |                 | _            |            | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ |              |                | ļ  | 1_   |
|          | 149               | _             | $\perp$         | $\perp$      | _          | <u> </u>                                  | _            | <del> </del> _ | _  | 1_   |
|          | 150               |               | <u>L</u> .      |              | L          |   |              | <u> </u>       | <u></u>  |  |